C.I.P.S.
MODELE MATHEMATIQUE DE LA
POLLUTION EN MER DU NORD

Technical Report
1972/04 BIOL.04

ETUDE DU ZOOPLANCTON

CROISIERE SEPTEMBRE 1972 (DU 6 AU 28 SEPTEMBRE)
CROISIERE OCTOBRE 1972 (DU 9 AU 19 OCTOBRE)

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Croisière de septembre - octobre 1972

On distingue dans cette croisière une forte concentration de Copépodes dans une zone s'étendant en face de l'estuaire, tandis qu'un patch d'Oikopleura et de Chaetognathes est situé dans la zone ① Nord.

Nous avions déjà émis l'hypothèse (rapport de synthèse zooplancton, 1973) que la zone située en face de l'estuaire pourraît être une zone de reproduction des Copépodes.

Nous avons examiné ceci plus en détail, en dénombrant les différentes espèces et les nauplii en chaque point.

Dans la zone située en face de l'estuaire 3 espèces principales s'observent en 3 patch imbriqués : un patch d'Euterpina acutifrons (220 à 500 adultes / m^3) englobant les points 1344, 1486, 2552 et 59; un patch de Paracalanus parvus (600 à 1.600 adultes / m^3) englobant les points 1344, 1348, 1486 et 59; un patch plus diffus d'Acartia clausi (320 à 520 adultes / m^3) aux points 9, 1486 et 14.

A l'intérieur de ces 3 grands patch nous distinguons un patch plus petit de Centropages hamatus (480 adultes / m^3) au point 1486 et un patch de Temora longicornis (740 adultes / m^3) au point 14.

A titre de comparaison, ces organismes à tous les autres points sont présents en nombres variant de 0 à 180 adultes / m^3, sauf au point 24 où nous avons 480 Temora et au point 25 où il y a 300 Calanus / m^3.

Nous observons d'autre part un patch de nauplii de Copépodes (2.960 à 15.780 nauplii / m^3) englobant presque tous les points précédents, c.à.d. : 1344, 1348, 1352, 1486, 59, 14, 15 et 65. En plus de ceux-là, les points 5, 6, 7, 8, 9, 3 et 1.

A titre de comparaison les nombres de nauplii aux autres points varient entre 320 et 1.860 nauplii / m^3, on trouve cependant 2.560 nauplii / m^3 au point 72.

Les adultes n'ont pas été déterminés à tous les points sud du réseau; on y trouve cependant de fortes concentrations de nauplii 15.780 / m^3 au point 5 par exemple; et le nombre total d'adultes peut y être élevé (2.960 ad. / m^3 au point 2); il est vraisemblable que les patch se prolongent jusque là.

Dans la zone située en face de l'estuaire en tout cas nous pourrons estimer que les nauplii appartiennent principalement aux espèces Paracalanus parvus et Acartia clausi, un peu moins à Centropages hamatus et Temora longicornis dont les patch sont petits et à Euterpina acutifrons dont les nombres sont peu abondants.

EUTERPINA

PARACALANUS

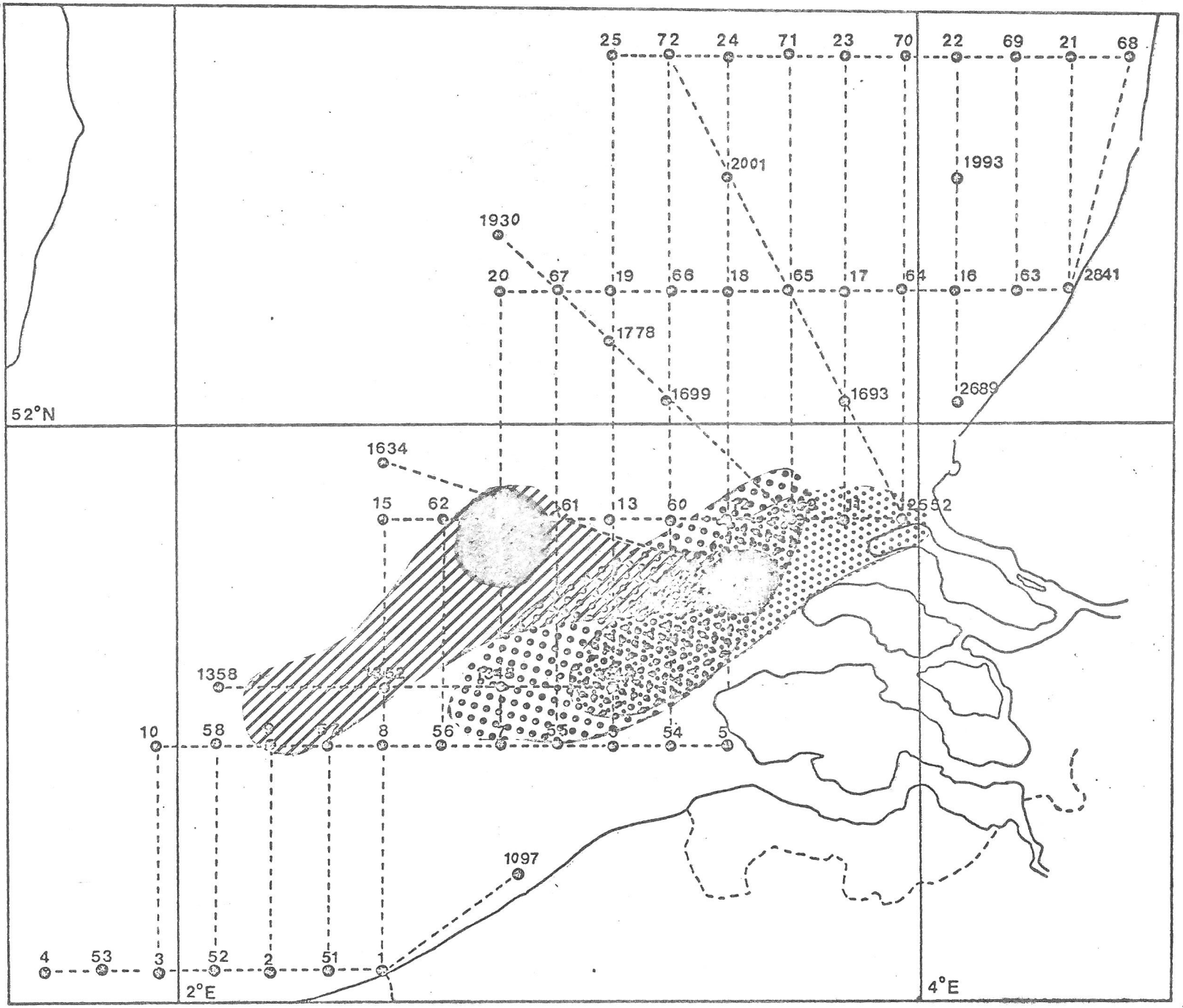
ACARTIA

CENTROPAGES

TEMORA

PATCH COPÉPODES

SEPTEMBRE - OCTOBRE 1972.



LABORATOIRE DE BIOLOGIE MARINE U.L.G.

ZOOPLANCTON EKOLOGIE EN SYSTEMATIEK V.U.B.

CRUISE 04-1972 6→28/9/1972

STATION MoI 0609I972 I2I0 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 5680
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.95
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.01
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .56
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .87
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 1,1
ASHES IDEM 0,802
ORG. MAT. IDEM 0,298
DIAGRAM CONSTRUCTION DRY MAT. :D= 2,2
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,596

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	20	1	15
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	300	19	225
ANNELIDA (L)	920	58	
CRUSTACEA	3580		
NAU.COP.	720	45	
COPEPODS	2800	177	
N+C CIRR.	40	2	30
OTHERS	20	1	15
BRYOZOA (L)	40	2	30
CHAETOGNATHA	60	3	45
ECHINOD. (L)	0	0	0
TUNICATA	760	48	
PISCES (OVA)	0	0	0

STATION M 2001 I209I972 I330 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 6680
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.12
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.26
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .36
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .56
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,475
ASHES IDEM 0,289
ORG. MAT. IDEM 0,186
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,950
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,372

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	40		
OTHERS	0		
CNIDARIA	40	2	72
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	80	4	144
CRUSTACEA	6500		
NAU.COP.	1380	74	
COPEPODS	5100	274	
N+C CIRR.	0	0	0
OTHERS	20	1	36
BRYOZOA (L)	0	0	0
CHAETOGNATHA	20	1	36
ECHINOD. (L)	0	0	0
TUNICATA	40	2	72
PISCES (OVA)	0	0	0

STATION M I699 0809I972 II50 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 10520
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.66
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.1
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .46
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .71
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 5,004
ASHES IDEM 4,259
ORG. MAT. IDEM 0,745
DIAGRAM CONSTRUCTION DRY MAT. :D= 10,008
DIAGRAM CONSTRUCTION ORG.MAT.:D= 1,49

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	20	0	22
ACNIDARIA	0	0	0
NEMATHELMINT.	2260	77	
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	20	0	22
CRUSTACEA	6100		
NAU.COP.	1860	63	
COPEPODS	4240	145	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	280	9	315
ECHINOD. (L)	0	0	0
TUNICATA	1840	62	
PISCES (OVA)	0	0	0

STATION M1340 25091972 I300 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 9000
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.40
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.79
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.53
DRY MAT.(G/M3) PARTICLES > 40 MICRONS
ASHES IDEM
ORG. MAT. IDEM
DIAGRAM CONSTRUCTION DRY MAT. :D=
DIAGRAM CONSTRUCTION ORG.MAT.:D=

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	80		
OTHERS	0		
CNIDARIA	200	8	48
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	320	12	77
CRUSTACEA	6560		
NAU.COP.	3260	130	
COPEPODS	3300	132	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	360	14	87
ECHINOD. (L)	600	24	145
TUNICATA	960	38	
PISCES (OVA)	0	0	0

STATION M1930 07091972 II05 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 7360
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.23
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.43
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .53
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .81
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,651
ASHES IDEM 0,344
ORG. MAT. IDEM 0,307
DIAGRAM CONSTRUCTION DRY MAT. :D= 1,302
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,614

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	7540		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	1860	90	
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	5160		
NAU.COP.	1040	50	
COPEPODS	4040	197	
N+C CIRR.	0	0	0
OTHERS	80	3	68
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	340	16	291
PISCES (OVA)	0	0	0

STATION MI097 06091972 1625 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 14820
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.16
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.86
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.52
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 2.34
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,396
ASHES IDEM 0,348
ORG. MAT. IDEM 0,048
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,792
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,096

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	60	1	6
ACNIDARIA	0	0	0
NEMATHELMINT.	20	0	2
MOLLUSCA (L)	4180	101	
ANNELIDA (L)	1220	29	127
CRUSTACEA	8820		
NAU.COP.	1380	33	144
COPEPODS	7200	174	
N+C CIRR.	180	4	18
OTHERS	60	1	6
BRYOZOA (L)	20	0	2
CHAETOGNATHA	20	0	2
ECHINOD. (L)	0	0	0
TUNICATA	480	11	50
PISCES (OVA)	0	0	0

STATION M 65 13091972 1045 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 14980
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.18
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.89
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .34
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .53
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,648
ASHES IDEM 0,463
ORG. MAT. IDEM 0,183
DIAGRAM CONSTRUCTION DRY MAT. :D= 1,296
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,36

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	100	2	200
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	0	0	0
CRUSTACEA	14820		
NAU.COP.	3980	95	
COPEPODS	10820	260	
N+C CIRR.	0	0	0
OTHERS	20	0	40
BRYOZOA (L)	0	0	0
CHAETOGNATHA	40	0	80
ECHINOD. (L)	20	0	40
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION MI778 08091972 0800 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 13080
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.97
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.57
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .72
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.11
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 2,853
ASHES IDEM 3,469
ORG. MAT. IDEM 0,384
DIAGRAM CONSTRUCTION DRY MAT. :D= 7,706
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,768

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	40	1	18
ACNIDARIA	0	0	0
NEMATHELMINT.	100	2	46
MOLLUSCA (L)	60	1	27
ANNELIDA (L)	20	0	9
CRUSTACEA	12820		
NAU.COP.	520	14	240
COPEPODS	12300	338	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	20	0	9
ECHINOD. (L)	0	0	0
TUNICATA	20	0	9
PISCES (OVA)	0	0	0

STATION M I344 25091972 I800 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 11300
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.76
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.25
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .97
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.49
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,333
ASHES IDEM 0,122
ORG. MAT. IDEM 0,277
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,798
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,554

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	60		
OTHERS	0		
CNIDARIA	240	7	61
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	800	25	205
CRUSTACEA	9940		
NAU.COP.	3720	118	
COPEPODS	6180	196	
N+C CIRR.	0	0	0
OTHERS	40	1	10
BRYOZOA (L)	0	0	0
CHAETOGNATHA	180	5	46
ECHINOD. (L)	0	0	0
TUNICATA	140	4	36
PISCES (OVA)	0	0	0

STATION M68 26091972 1630 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 13660
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.03
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.67
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.14
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.76
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 2,115
ASHES IDEM 1,948
ORG. MAT. IDEM 0,167
DIAGRAM CONSTRUCTION DRY MAT. :D= 4,23
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,334

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	140	3	25
ANNELIDA (L)	2000	52	
CRUSTACEA	3120		
NAU.COP.	1200	31	222
COPEPODS	1880	49	
N+C CIRR.	20	0	3
OTHERS	20	0	3
BRYOZOA (L)	0	0	0
CHAETOGNATHA	560	14	103
ECHINOD. (L)	0	0	0
TUNICATA	7840	206	
PISCES (OVA)	0	0	0

STATION N 59 28091972 1000 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 10100
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.61
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.01
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .89
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.37
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 1,842
ASHES IDEM 1,520
ORG. MAT. IDEM 0,322
DIAGRAM CONSTRUCTION DRY MAT. :D= 3,684
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,644

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	140		
OTHERS	0		
CNIDARIA	280	9	85
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	180	6	54
ANNELIDA (L)	20	0	6
CRUSTACEA	8920		
NAU.COP.	2960	105	
COPEPODS	5960	212	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	20	0	6
CHAETOGNATHA	220	7	67
ECHINOD. (L)	20	0	6
TUNICATA	440	15	134
PISCES (OVA)	0	0	0

STATION M IG 27091972 0930 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 10160
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.62
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.03
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .76
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.17
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 1,071
ASHES IDEM 0,69
ORG. MAT. IDEM 0,38
DIAGRAM CONSTRUCTION DRY MAT. :D= 2,142
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,76

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	80		
OTHERS	0		
CNIDARIA	160	5	66
ACNIDARIA	0	0	0
NEMATHELMINT.	140	4	58
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	260	9	108
CRUSTACEA	2820		
NAU.COP.	1080	38	
COPEPODS	1740	61	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	300	10	125
ECHINOD. (L)	0	0	0
TUNICATA	6480	229	
PISCES (OVA)	0	0	0

STATION 1998

TOT.NUMB.INDIV./M3(PROT.EXCL.) 7980
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.32
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.57
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.26
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.94
DRY MAT.(G/M3) PARTICLES > 40 MICRONS
ASHES IDEM
ORG. MAT. IDEM
DIAGRAM CONSTRUCTION DRY MAT. :D=
DIAGRAM CONSTRUCTION ORG.MAT.:D=

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	8460		
OTHERS	0		
CNIDARIA	100	4	15
ACNIDARIA	0	0	0
NEMATHELMINT.	400	18	61
MOLLUSCA (L)	220	9	33
ANNELIDA (L)	40	1	6
CRUSTACEA	1240		
NAU.COP.	320	14	48
COPEPODS	920	41	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	20	0	3
CHAETOGNATHA	600	27	91
ECHINOD. (L)	640	28	97
TUNICATA	4700	212	
PISCES (OVA)	20	0	3

STATION M I486 28091972 I400 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 23680
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 4
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 6.15
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.08
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.66
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,839
ASHES IDEM 0,626
ORG. MAT. IDEM 0,207
DIAGRAM CONSTRUCTION DRY MAT. :D= 1,666
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,414

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	80		
OTHERS	0		
CNIDARIA	400	6	82
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	20	0	4
ANNELIDA (L)	180	2	37
CRUSTACEA	21940		
NAU.COP.	6240	94	
COPEPODS	15700	238	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	20	0	4
CHAETOGNATHA	320	4	66
ECHINOD. (L)	0	0	0
TUNICATA	800	12	165
PISCES (OVA)	0	0	0

STATION M I352 II09I972 I300 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 12720
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.93
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.51
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.03
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.59
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,274
ASHES IDEM 0,198
ORG. MAT. IDEM 0,076
DIAGRAM CONSTRUCTION DRY MAT. :D= 548
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,152

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	1160		
OTHERS	0		
CNIDARIA	60	1	13
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	100	2	22
ANNELIDA (L)	60	1	13
CRUSTACEA	10180		
NAU.COP.	9460	267	
COPEPODS	720	20	162
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	240	6	54
ECHINOD. (L)	1660	46	
TUNICATA	420	11	94
PISCES (OVA)	0	0	0

STATION MGI I4091972 I400 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 3660
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.57
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.41
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .86
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.33
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,367
ASHES IDEM 0,234
ORG. MAT. IDEM 0,133
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,734
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,266

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	20	1	6
ACNIDARIA	0	0	0
NEMATHELMINT.	360	35	115
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	260	25	83
CRUSTACEA	2560		
NAU.COP.	1520	149	
COPEPODS	1020	100	
N+C CIRR.	0	0	0
OTHERS	20	1	6
BRYOZOA (L)	60	5	19
CHAETOGNATHA	340	33	109
ECHINOD. (L)	0	0	0
TUNICATA	60	5	19
PISCES (OVA)	0	0	0

STATION M 2689 2709I972 I500 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 3260
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.48
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.28
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .54
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .83
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 1,18
ASHES IDEM 1,154
ORG. MAT. IDEM 0,026
DIAGRAM CONSTRUCTION DRY MAT. :D= 2,36
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,052

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	20	2	16
ACNIDARIA	0	0	0
NEMATHELMINT.	40	4	32
MOLLUSCA (L)	40	4	32
ANNELIDA (L)	100	11	81
CRUSTACEA	2100		
NAU.COP.	1060	117	
COPEPODS	1040	114	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	200	22	163
ECHINOD. (L)	40	4	32
TUNICATA	720	79	
PISCES (OVA)	0	0	0

STATION M2552 28091972 II00 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 2460
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.28
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 1.98
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .4
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .61
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 3,159
ASHES IDEM 2,542
ORG. MAT. IDEM 0,617
DIAGRAM CONSTRUCTION DRY MAT. :D= 6,3180
DIAGRAM CONSTRUCTION ORG.MAT.:D= 1,234

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	40	5	60
ACNIDARIA	0	0	0
NEMATHELMINT.	280	40	
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	60	8	90
CRUSTACEA	1640		
NAU.COP.	140	20	210
COPEPODS	1500	219	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	440	64	
PISCES (OVA)	0	0	0

STATION M 72 I209I972 I030 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 9260
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.5
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.84
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .28
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .43
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,431
ASHES IDEM 0,171
ORG. MAT. IDEM 0,260
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,882
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,54

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	1620		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	40	1	120
ANNELIDA (L)	0	0	0
CRUSTACEA	9180		
NAU.COP.	2560	99	
COPEPODS	6580	255	
N+C CIRR.	0	0	0
OTHERS	40	1	120
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	40	1	120
PISCES (OVA)	0	0	0

STATION MI693 I3091972 I330 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 4860
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.81
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.78
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .71
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.1
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,539
ASHES IDEM 0,265
ORG. MAT. IDEM 0,274
DIAGRAM CONSTRUCTION DRY MAT. :D= 1,078
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,548

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	10580		
OTHERS	0		
CNIDARIA	40	2	18
ACNIDARIA	0	0	0
NEMATHELMINT.	220	16	104
MOLLUSCA (L)	580	42	
ANNELIDA (L)	340	25	161
CRUSTACEA	2980		
NAU.COP.	1140	84	
COPEPODS	1820	134	
N+C CIRR.	20	1	9
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	560	41	
ECHINOD. (L)	0	0	0
TUNICATA	140	10	66
PISCES (OVA)	0	0	0

STATION M I634 I4091972 I030 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 4100
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.66
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.56
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .64
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .99
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,405
ASHES IDEM 0,359
ORG. MAT. IDEM 0,046
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,810
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,092

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	60	5	34
ACNIDARIA	0	0	0
NEMATHELMINT.	20	1	11
MOLLUSCA (L)	280	24	162
ANNELIDA (L)	0	0	0
CRUSTACEA	3480		
NAU.COP.	540	47	
COPEPODS	2940	258	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	20	1	11
CHAETOGNATHA	0	0	0
ECHINOD. (L)	240	21	139
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION M284I 27091972 I200 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 3480
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.53
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.35
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .41
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .64
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 2,067
ASHES IDEM 1,645
ORG. MAT. IDEM 0,422
DIAGRAM CONSTRUCTION DRY MAT. :D= 4,134
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,844

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	60	6	83
ANNELIDA (L)	1300	134	
CRUSTACEA	1960		
NAU.COP.	700	72	
COPEPODS	1220	126	
N+C CIRR.	0	0	0
OTHERS	40	4	55
BRYOZOA (L)	0	0	0
CHAETOGNATHA	60	6	83
ECHINOD. (L)	0	0	0
TUNICATA	100	10	138
PISCES (OVA)	0	0	0

STATION 22

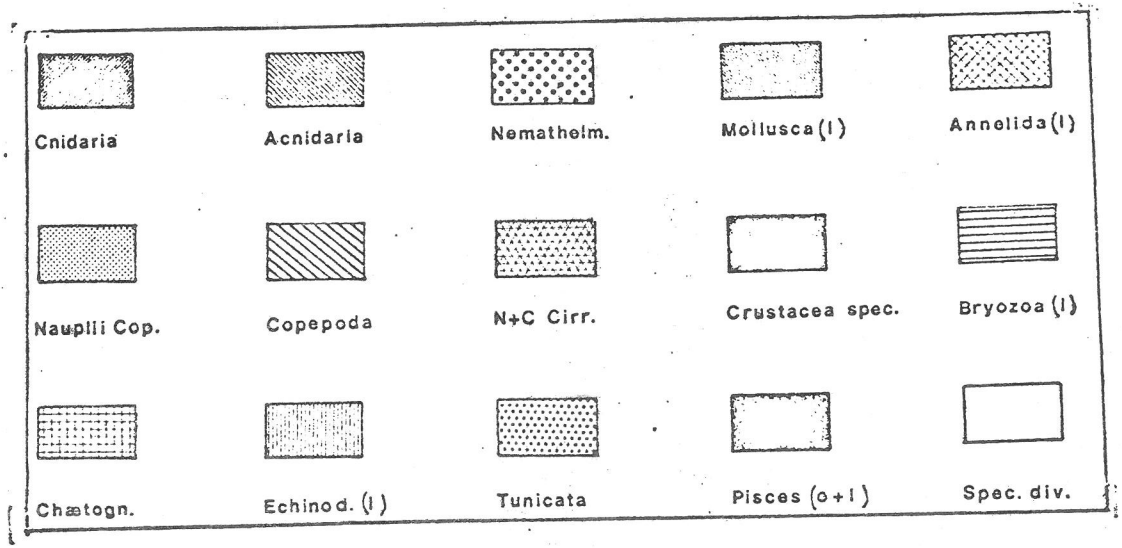
TOT.NUMB.INDIV./M3(PROT.EXCL.) 5560
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.93
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.98
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .8
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.23
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 1088
ASHES IDEM 0,979
ORG. MAT. IDEM 0,109
DIAGRAM CONSTRUCTION DRY MAT. :D= 2,176
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,218

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	280		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	20	1	7
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	40	2	15
CRUSTACEA	4660		
NAU.COP.	1560	101	
COPEPODS	3040	196	
N+C CIRR.	0	0	0
OTHERS	60	3	22
BRYOZOA (L)	0	0	0
CHAETOGNATHA	540	34	202
ECHINOD. (L)	0	0	0
TUNICATA	300	19	112
PISCES (OVA)	0	0	0

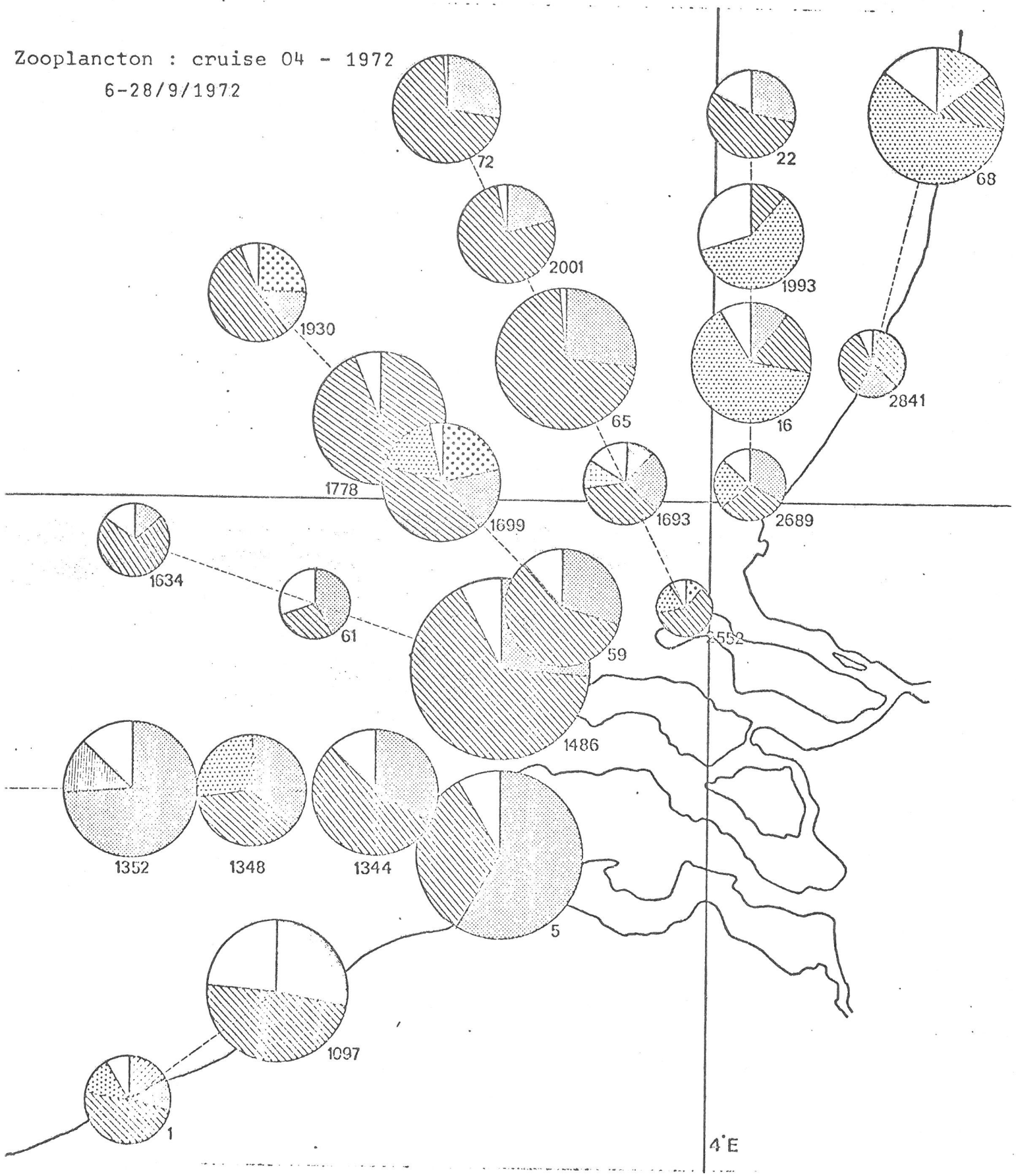
STATION 05

TOT.NUMB.INDIV./M3(PROT.EXCL.) 19320
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.61
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 5.55
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.05
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.61
DRY MAT.(G/M3) PARTICLES > 40 MICRONS
ASHES IDEM
ORG. MAT. IDEM
DIAGRAM CONSTRUCTION DRY MAT. :D=
DIAGRAM CONSTRUCTION ORG.MAT.:D=

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	380	7	83
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	20	0	4
CRUSTACEA	17680		
NAU.COP.	11280	210	
COPEPODS	6400	119	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	60	1	13
ECHINOD. (L)	0	0	0
TUNICATA	1180	21	259
PISCES (OVA)	0	0	0


Cnidaria
Acnidaria
Nematheim.
Mollusca (l)
Annelida (l)
Nauplii Cop.
Copepoda
N+C Cirr.
Crustacea spec.
Bryozoa (l)
Chætogn.
Echinod. (l)
Tunicata
Pisces (o+l)
Spec. div.

Zooplancton : cruise 04 - 1972
6-28/9/1972



LABORATOIRE DE BIOLOGIE MARINE U.L.G.

ZOOPLANCTON EKOLOGIE EN SYSTEMATIEK V.U.B.

CRUISE 05-1972 9→19/10/1972

STATION M 01 III01972 I445 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 11160
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.88
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.22
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .82
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.21
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,715
ASHES IDEM 0,353
ORG. MAT. IDEM 0,362
DIAGRAM CONSTRUCTION DRY MAT. :D= 1,430
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,724

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	40	1	15
ANNELIDA (L)	440	14	172
CRUSTACEA	10240		
NAU.COP.	3100	100	
COPEPODS	7140	230	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	440	14	172
PISCES (OVA)	0	0	0

STATION M 02 I2I0I972 I030 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 18540
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.71
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 5.44
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.26
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.85
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,315
ASHES 0 IDEM 0,127
ORG. MAT. IDEM 0,188
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,63
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,376

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	40	0	6
ACNIDARIA	0	0	0
NEMATHELMINT.	20	0	3
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	120	2	20
CRUSTACEA	17920		
NAU.COP.	1340	26	225
COPEPODS	16400	318	
N+C CIRR.	180	3	30
OTHERS	0	0	0
BRYOZOA (L)	20	0	3
CHAETOGNATHA	80	1	13
ECHINOD. (L)	0	0	0
TUNICATA	340	6	57
PISCES (OVA)	0	0	0

STATION M 03 I2I0I972 I200 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 7160
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.31
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.38
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .83
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.22
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,398
ASHES IDEM 0,325
ORG. MAT. IDEM 0,073
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,796
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,146

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	280	14	107
MOLLUSCA (L)	120	6	45
ANNELIDA (L)	100	5	38
CRUSTACEA	6320		
NAU.COP.	2060	103	
COPEPODS	4160	209	
N+C CIRR.	100	5	38
OTHERS	0	0	0
BRYOZOA (L)	40	2	15
CHAETOGNATHA	20	1	7
ECHINOD. (L)	0	0	0
TUNICATA	280	14	107
PISCES (OVA)	0	0	0

STATION M 04 I2IOI972 I550 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 3320
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.57
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.3
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .57
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .83
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,223
ASHES IDEM 0,214
ORG. MAT. IDEM 0,009
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,446
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,318

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	80	8	65
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	80	8	65
CRUSTACEA	3140		
NAU.COP.	200	21	163
COPEPODS	2880	312	
N+C CIRR.	40	4	32
OTHERS	20	2	16
BRYOZOA (L)	0	0	0
CHAETOGNATHA	20	2	16
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION M 05 IOIOI972 I230 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 19320
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.79
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 5.55
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= 1.1
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.61
DRY MAT.(G/M3) PARTICLES > 40 MICRONS
ASHES IDEM
ORG. MAT. IDEM
DIAGRAM CONSTRUCTION DRY MAT. :D=
DIAGRAM CONSTRUCTION ORG.MAT.:D=

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	380	7	83
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	20	0	4
CRUSTACEA	17680		
NAU.COP.	11280	210	
COPEPODS	6400	119	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	60	1	13
ECHINOD. (L)	0	0	0
TUNICATA	1160	21	259
PISCES (OVA)	0	0	0

STATION M 06 10101972 1000 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 9480
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.65
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.89
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .93
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.37
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,718
ASHES IDEM 0,366
ORG. MAT. IDEM 0,352
DIAGRAM CONSTRUCTION DRY MAT. :D= 1,436
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,704

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	100	3	30
ACNIDARIA	0	0	0
NEMATHELMINT.	20	0	6
MOLLUSCA (L)	80	3	24
ANNELIDA (L)	660	25	201
CRUSTACEA	8420		
NAU.COP.	3640	138	
COPEPODS	4660	176	
N+C CIRR.	120	4	36
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	200	7	61
PISCES (OVA)	0	0	0

STATION M 07 09101972 1500 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 21460
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 4
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 5.85
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .59
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .87
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,236
ASHES IDEM 0,079
ORG. MAT. IDEM 0,155
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,462
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,306

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	80	1	60
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	120	2	90
CRUSTACEA	20980		
NAU.COP.	15780	264	
COPEPODS	5200	87	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	40	0	30
TUNICATA	240	4	180
PISCES (OVA)	0	0	0

STATION M 08 19I0I972 I030 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 11400
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.91
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.27
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .97
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.43
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,214
ASHES IDEM 0,083
ORG. MAT. IDEM 0,131
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,428
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,262

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	2200		
OTHERS	0		
CNIDARIA	120	3	33
ACNIDARIA	0	0	0
NEMATHELMINT.	100	3	28
MOLLUSCA (L)	180	5	50
ANNELIDA (L)	40	1	11
CRUSTACEA	10120		
NAU.COP.	6100	192	
COPEPODS	4020	126	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	100	3	28
ECHINOD. (L)	600	18	168
TUNICATA	140	4	39
PISCES (OVA)	0	0	0

STATION M 09 I6I0I972 I330 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 12200
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.01
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.41
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .24
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .35
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,247
ASHES IDEM 0,091
ORG. MAT. IDEM 0,176
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,494
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,352

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	1580		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	60	1	270
ANNELIDA (L)	0	0	0
CRUSTACEA	12120		
NAU.COP.	6980	205	
COPEPODS	5140	151	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	20	0	90
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION M IO I3IOI972 IOI5 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 4500
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.83
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.68
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .42
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .61
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,325
ASHES IDEM 0,245
ORG. MAT. IDEM 0,15
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,79
DIAGRAM CONSTRUCTION ORG.MAT.:D= 93

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	40		
OTHERS	0		
CNIDARIA	0	0	0
ACNIDARIA	0	0	0
NEMATHELMINT.	60	4	90
MOLLUSCA (L)	60	4	90
ANNELIDA (L)	0	0	0
CRUSTACEA	4280		
NAU.COP.	860	68	
COPEPODS	3400	272	
N+C CIRR.	0	0	0
OTHERS	20	1	30
BRYOZOA (L)	20	1	30
CHAETOGNATHA	0	0	0
ECHINOD. (L)	0	0	0
TUNICATA	80	6	120
PISCES (OVA)	0	0	0

STATION 14

TOT.NUMB.INDIV./M3(PROT.EXCL.) 14180
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 3.25
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.76
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .92
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.36
DRY MAT.(G/M3) PARTICLES > 40 MICRONS
ASHES IDEM
ORG. MAT. IDEM
DIAGRAM CONSTRUCTION DRY MAT. :D=
DIAGRAM CONSTRUCTION ORG.MAT.:D=

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	100		
OTHERS	0		
CNIDARIA	320	8	99
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	680	17	211
ANNELIDA (L)	20	0	6
CRUSTACEA	13140		
NAU.COP.	2200	55	
COPEPODS	10820	274	
N+C CIRR.	0	0	0
OTHERS	120	3	37
BRYOZOA (L)	0	0	0
CHAETOGNATHA	20	0	6
ECHINOD. (L)	0	0	0
TUNICATA	0	0	0
PISCES (OVA)	0	0	0

STATION M I5 I9I01972 I445 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 7820
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.41
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.53
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .77
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.13
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,291
ASHES IDEM 0,192
ORG. MAT. IDEM 0,099
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,442
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,198

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	280	12	126
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	360	16	162
ANNELIDA (L)	0	0	0
CRUSTACEA	7020		
NAU.COP.	2400	110	
COPEPODS	4620	212	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	20	0	9
CHAETOGNATHA	0	0	0
ECHINOD. (L)	80	3	36
TUNICATA	60	2	27
PISCES (OVA)	0	0	0

STATION M 23 I8I01972 I000 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 3820
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.68
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 2.47
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .48
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= .71
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,282
ASHES IDEM 0,201
ORG. MAT. IDEM 0,081
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,564
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,162

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	0		
OTHERS	0		
CNIDARIA	20	1	22
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	0	0	0
ANNELIDA (L)	40	3	45
CRUSTACEA	3060		
NAU.COP.	500	47	
COPEPODS	2560	241	
N+C CIRR.	0	0	0
OTHERS	0	0	0
BRYOZOA (L)	0	0	0
CHAETOGNATHA	440	41	
ECHINOD. (L)	0	0	0
TUNICATA	260	24	292
PISCES (OVA)	0	0	0

STATION M 24 I/IOI972 1400 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 8040
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.44
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.58
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .79
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.15
DRY MAT.(G/M3) PARTICLES > 40 MICRONS
ASHES IDEM
ORG. MAT. IDEM
DIAGRAM CONSTRUCTION DRY MAT. :D=
DIAGRAM CONSTRUCTION ORG.MAT.:D=

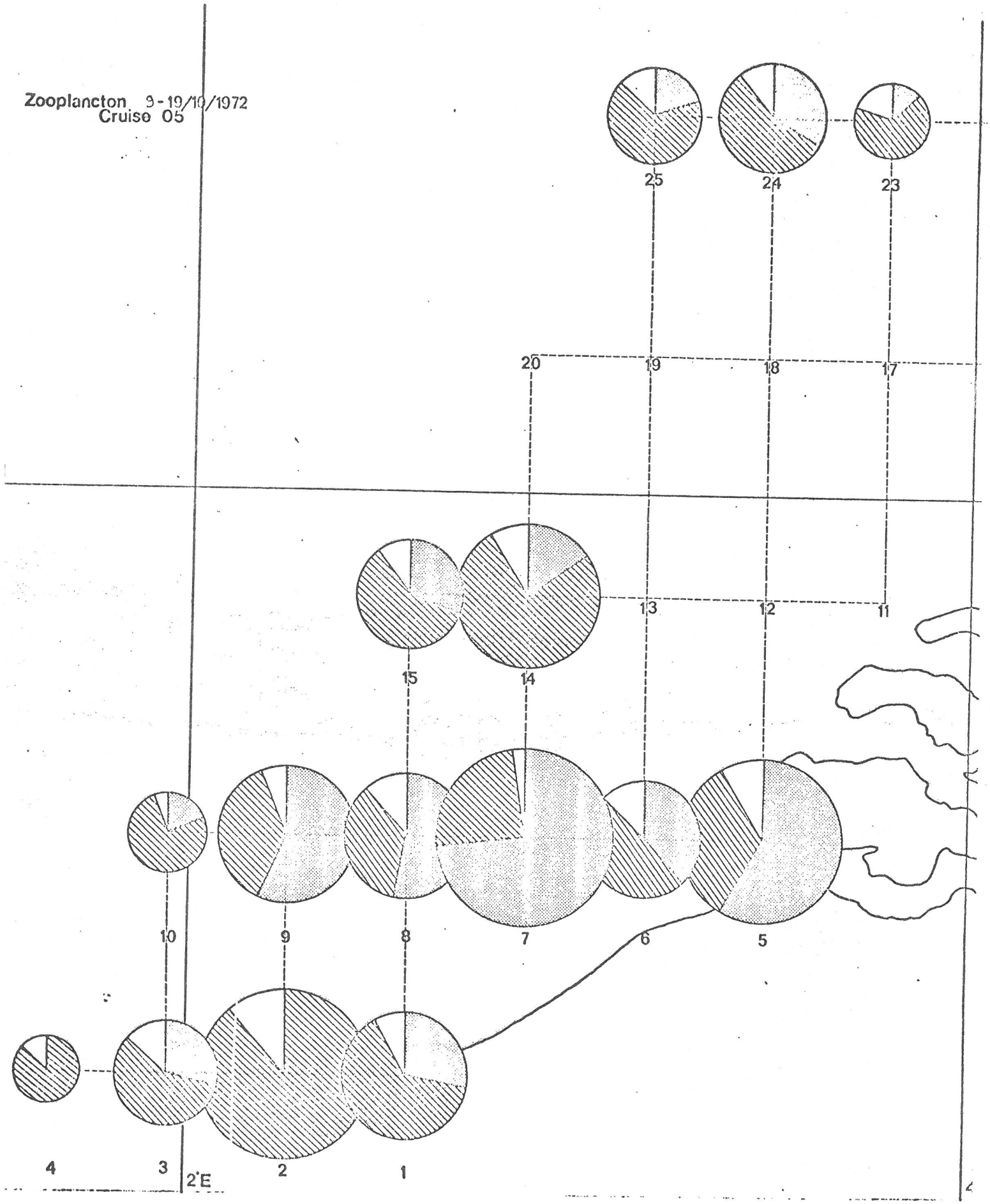
	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	200		
OTHERS	0		
CNIDARIA	120	5	51
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	520	23	222
ANNELIDA (L)	0	0	0
CRUSTACEA	7280		
NAU.COP.	2700	120	
COPEPODS	4500	201	
N+C CIRR.	0	0	0
OTHERS	80	3	34
BRYOZOA (L)	0	0	0
CHAETOGNATHA	40	1	17
ECHINOD. (L)	40	1	17
TUNICATA	40	1	17
PISCES (OVA)	0	0	0

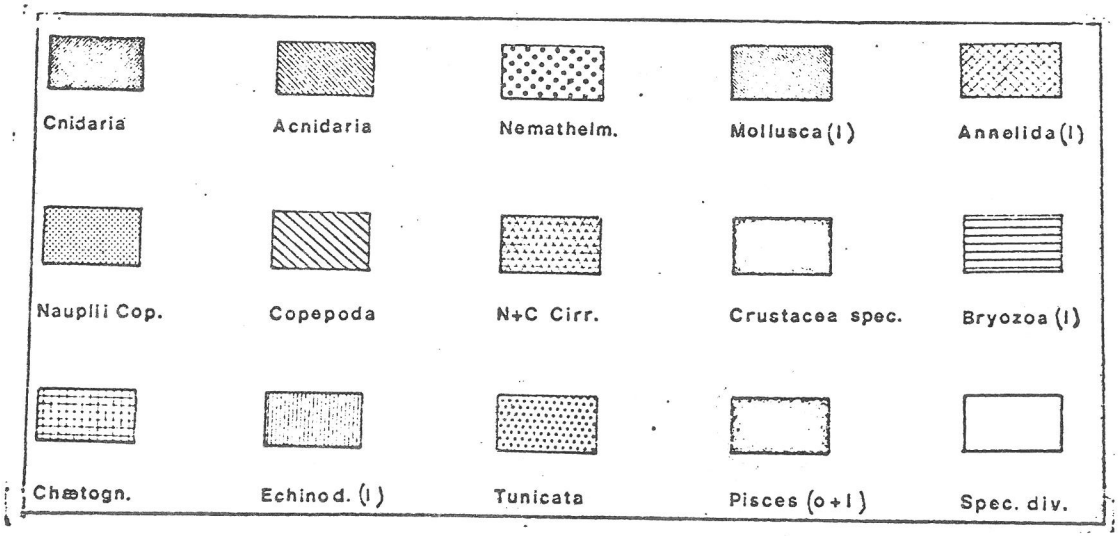
STATION M 25 I/IOI972 I200 00

TOT.NUMB.INDIV./M3(PROT.EXCL.) 6500
DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 2.2
DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 3.22
DIAGRAM CONSTRUCTION (WITH MAX.AREA) ORGAN.-10PC:R= .8
DIAGRAM CONSTRUCTION (NO MAX.AREA) ORGAN.-10PC:R= 1.17
DRY MAT.(G/M3) PARTICLES > 40 MICRONS 0,235
ASHES IDEM 0,078
ORG. MAT. IDEM 0,157
DIAGRAM CONSTRUCTION DRY MAT. :D= 0,47
DIAGRAM CONSTRUCTION ORG.MAT.:D= 0,314

	TOT.NUMB./M3	TOT.ANG.REPR.	ANG.REPR.-10PC
PROTOZOA			
NOCTILUCA	340		
OTHERS	0		
CNIDARIA	40	2	16
ACNIDARIA	0	0	0
NEMATHELMINT.	0	0	0
MOLLUSCA (L)	480	26	200
ANNELIDA (L)	20	1	8
CRUSTACEA	5780		
NAU.COP.	1300	72	
COPEPODS	4340	240	
N+C CIRR.	0	0	0
OTHERS	140	7	58
BRYOZOA (L)	0	0	0
CHAETOGNATHA	0	0	0
ECHINOD. (L)	20	1	8
TUNICATA	160	8	66
PISCES (OVA)	0	0	0

Zooplancton 9-19/10/1972
Cruise 05




Cnidaria
Acnidaria
Nemathelm.
Mollusca (l)
Annelida (l)
Nauplii Cop.
Copepoda
N+C Cirr.
Crustacea spec.
Bryozoa (l)
Chætogn.
Echinod. (l)
Tunicata
Pisces (o+l)
Spec. div.

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Onderzoek CIPS

Cruise 04 - 1979
Sept.

	Π1993 00	Π1486 280972 1400 00	Π1352 40972 1300 00	Π61 140972 1400 00
— Vers gewicht µg/m³	min.-max.	min.-max.	min.-max.	min.-max.
Cnidaria				
Acnidaria Ctenophora				
Nemathelminthes Rotatoria spec. Nematoda spec.	80-440			72 - 396
Mollusca Gasteropoda (1) Lamellibranchia (1)	550	50	250	
Annelida Polychaeta spec. Lanice spec.	120 - 226 220 - 600	1080-2034	360 - 678	1560 - 2938
Crustacea Copepoda nauplii Copepoda copepodiet Copepoda adult.	480 - 2048 4352 - 13600 6504 - 14784	9360 - 39936 74368 - 232400 110568 - 251328	1419e-60544 3328 - 3328 5420 - 12320	2280 - 9728 4736 - 14800 7588 - 17248
Cirripedia (1) Ostracoda Decapoda (1) Mysidacea Cumacea Isopoda Amphipoda Cladocera				19460 - 30400
Bryozoa (1)				
Chaetognatha Sagitta spec.	6600-109200	3520 - 58240	2640-43680	3740 - 61880
Echinodermata Larvae spec.				
Tunicata Oikopleura	244400-568800	41600-96800	21840-50820	3120 - 7260
Pisces (e - 1)	5360 - 42892			
TOTAAL	268666 - 753040	240546 - 680788	48028 - 171620	42556 - 144650
GEMIDDELDE	510853	460667	109824	93603
— Drooggewicht µg/m³	102171	92133	21965	18721
— Koolstof µg/m³	40868	36853	8786	7488
— Stikstof µg/m³	11239	10135	2416	2059
— Fosfor µg/m³	1021	921	220	187

Laboratorium voor Ekologie en Systematiek - V.U.B.

Onderzoek CIPS
Cruise 04 - 1972
sept

	Π1344 250972 1800 00	Π68 260972 1630 00	Π59 280972 1600 00	Π16 270972 0930 00
— Vers gewicht µg/m³	min.-max.	min.-max.	min.-max.	min.-max.
Cnidaria				
Acnidaria				
Ctenophora				
Nemathelminthes				
Rotatoria spec.				
Nematoda spec.				
Mollusca				
Gasteropoda (1)				
Lamellibranchia (1)		350	450	250
Annelida				
Polychaeta spec.	4080-7684	9240-17402	120-226	1080-2034
Lanice spec.	1320-3600	5060-13800		880-2400
Crustacea				
Copepoda nauplii	5580-23808	1800-7680	4440-18944	1620-6912
Copepoda copepodiet	29184-91200	8832-27600	28160-88000	8192-25600
Copepoda adult.	43902-99792	13550-30800	42276-96096	12466-28336
Cirripedia (1)		120-200		
Ostracoda				
Decapoda (1)	38920-60800	19460-30400		
Mysidacea				
Cumacea				
Isopoda				
Amphipoda				
Cladocera				
Bryozoa (1)				
Chaetognatha Sagitta spec.	1980-32760	6160-101920	2420-40040	3300-54600
Echinodermata Larvae spec.				
Tunicata Oikopleura	7280-16940	407680-948640	22880-53240	336960-784080
Pisces (e - 1)				
TOTAAL	136326-336584	472252-1178792	100746-296996	364748-904212
GEMIDDELDE	236655	825522	198871	634480
— Drooggewicht µg/m³	47291	165104	39774	126896
— Koolstof µg/m³	18916	66042	15910	50758
— Stikstof µg/m³	5202	18161	4375	13959
— Fosfor µg/m³	473	1651	398	1269

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Onderzoek CIPS

Cruise 04 - 1972
sept.

	M1930 20972 1105 00	M1097 60972 1625 00	M65 130972 1045 00	M1778 80972 900 00
— Vers gewicht µg/m³	min.-max.	min.-max.	min.-max.	min.-max.
Cnidaria				
Acnidaria				
Ctenophora				
Nemathelminthes				
Rotatoria spec.				
Nematoda spec.	28 - 154			16 - 88
Mollusca				
Gasteropoda (1)		720		-
Lamellibranchia (1)		10150		150
Annelida				
Polychaeta spec.		7320-13786		120 - 296
Lanice spec.				
Crustacea				
Copepoda nauplii	1560-6656	2070-8832	5970-25472	780 - 3328
Copepoda copepodiet	19072-59600	34048-106400	51200-160000	58240-182000
Copepoda adult.	28726-65296	50948-115808	76422-173712	86720-197120
Cirripedia (1)		1080-1800		
Ostracoda				
Decapoda (1)			19460-30400	
Mysidacea				
Cumacea				
Isopoda				
Amphipoda	19460-30400			
Cladocera	1440-4200	1440-4200		
Bryozoa (1)				
Chaetognatha Sagitta spec.		220-3640	440-7280	220-3640
Echinodermata Larvae spec.				
Tunicata Oikopleura	17680-41140	24960-58080		1040-2420
Pisces (e - 1)				
TOTAAL	87966-207446	132956-323406	153492-396844	147286-388972
GEMIDDELDE	147706	228186	275178	268129
— Drooggewicht µg/m³	29541	45637	55036	53626
— Koolstof µg/m³	11816	18255	22014	21450
— Stikstof µg/m³	3250	5020	6054	5899
— Fosfor µg/m³	295	456	550	536

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Onderzoek Cips

Cruise 04 - 1972
sept.

		M01 60972 1210 00	M2001 120572 1330 00	M1699 80972 1150 00	M1348 250572 1300 00
— Vers gewicht mg/m³		min.-max.	min.-max.	min.-max.	min.-max.
Cnidaria					
Acnidaria					
	Ctenophora				
Nemathelminthes					
	Rotatoria spec.				
	Nematoda spec.			452 - 2486	
Mollusca					
	Gasteropoda (1)	720			
	Lamellibranchia (1)	450			
Annelida					
	Polychaeta spec.	4920 - 9266	480 - 904		1680 - 3164
	Lanice spec.	1100 - 3000		220 - 600	440 - 1200
Crustacea					
	Copepoda nauplii	1020 - 5248	2070 - 8832	2790 - 11904	4890 - 20864
	Copepoda copepodiet	13184 - 41200	24064 - 75200	19968 - 62460	15616 - 48800
	Copepoda adult.	20054 - 45584	20054 - 82544	30352 - 68992	23306 - 52 976
	Cirripedia (1)	360 - 600			
	Ostracoda				
	Decapoda (1)		19460 - 30400		
	Mysidacea				
	Cumacea				
	Isopoda				
	Amphipoda				
	Cladocera				
Bryozoa (1)					
Chaetognatha Sagitta spec.		660 - 10920	220 - 3640	3080 - 50960	3960 - 65520
Echinodermata Larvae spec.					
Tunicata Oikopleura		39520 - 91960	2080 - 4840	95680 - 222640	49920 - 116160
Pisces (e - 1)					
	TOTAAL	82048 - 208948	68428 - 206360	152542 - 419962	99812 - 308684
	GEMIDDELDE	145498	137394	286262	204248
— Drooggewicht mg/m³		29100	27479	57252	40850
— Koolstof mg/m³		11640	10992	22900	16340
— Stikstof mg/m³		3201	3023	6298	4494
— Fosfor mg/m³		291	275	573	409

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Onderzoek CIPS
Cruise 04 - 1972
sept.

	M 1634 140972 1030 oo	M 2841 220972 1200 oo	M 22 oo	M 05 oo
— Vers gewicht µg/m³	min.-max.	min.-max.	min.-max.	min.-max.
Cnidaria				
Acnidaria				
Ctenophora				
Nemathelminthes				
Rotatoria spec.				
Nematoda spec.	4 - 22			
Mollusca				
Gasteropoda (l)				
Lamellibranchia (l)	700	150		
Annelida				
Polychaeta spec.		7560 - 14238	240 - 452	-
Lanice spec.		440 - 1200	-	290-600
Crustacea				
Copepoda nauplii	810 - 3456	1050 - 4480	2340 - 9984	16920 - 72192
Copepoda copepodiet	13824 - 43200	5760 - 18000	14336 - 44800	30208 - 94400
Copepoda adult.	21138 - 48048	8672 - 19712	21680 - 49280	45528 - 103488
Cirripedia (l)				
Ostracoda				
Decapoda (l)		19460 - 30400	58380 - 91200	
Mysidacea				
Cumacea				
Isopoda				
Amphipoda		19460 - 30400		
Cladocera				
Bryozoa (l)				
Chaetognatha Sagitta spec.		660 - 10920	5940 - 98280	660 - 10920
Echinodermata Larvae spec.				
Tunicata Oikopleura		5200 - 12100	15600 - 36300	15600 - 142780
Pisces (e - l)				
TOTAAL	36476 - 95436	68412 - 141600	96976 - 330296	109136 - 424380
GEMIDDELDE	65951	105006	213636	266758
— Drooggewicht µg/m³	13190	21001	42727	53352
— Koolstof µg/m³	5276	8400	17091	21341
— Stikstof µg/m³	1451	2310	4700	5869
— Fosfor µg/m³	132	210	427	534

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Onderzoek CIPS

Cruise 04 - 1972
Sept.

	M 2689 27/9/72 15:00	M 2552 28/9/72 11:00	M 72 29/9/72 10:30	M 1698 30/9/72 13:30
— Vers gewicht mg/m³	min.-max.	min.-max.	min.-max.	min.-max.
Cnidaria				
Acnidaria Ctenophora				
Nemathelminthes Rotatoria spec. Nematoda spec.				
Mollusca Gasteropoda (1) Lamellibranchia (1)	100		100	1450
Annelida Polychaeta spec. Lanice spec.	480 - 6784 220 - 600	360 - 678		1920 - 3616 220 - 600
Crustacea Copepoda nauplii Copepoda copepodiet Copepoda adult.	1590 - 4864 - 15200 7588 - 17248	210 - 896 7040 - 22000 10840 - 24640	3840 - 16384 31104 - 97200 46612 - 105952	1710 - 7296 8576 - 26800 13008 - 29568
Cirripedia (1) Ostracoda Decapoda (1) Mysidacea Cumacea Isopoda Amphipoda Cladocera			960 - 2800	120 - 200
Bryozoa (1)				
Chaetognatha Sagitta spec.	2200 - 36400			6160 - 101920
Echinodermata Larvae spec.				
Tunicata Oikopleura	37440 - 87120	22880 - 53240	2080 - 4840	7280 - 16940
Pisces (e - 1)				
TOTAAL	54482 - 162852	41330 - 101454	84696 - 243660	40444 - 188390
GEMIDDELDE	108667	71392	164178	114417
— Drooggewicht mg/m³	21233	14278	32836	22883
— Koolstof mg/m³	8693	5711	13134	9153
— Stikstof mg/m³	2391	1571	3612	2517
— Fosfor mg/m³	217	143	328	229

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Onderzoek CIPS
Cruise 05 - 1972
octobre.

	Π01 11/07/72 1445 00	Π02 12/07/72 1030 00	Π03 12/07/72 1200 00	Π04 12/07/72 1550 00
— Vers gewicht µg/m³	min.-max.	min.-max.	min.-max.	min.-max.
Cnidaria				
Acnidaria				
Ctenophora				
Nemathelminthes				
Rotatoria spec.				
Nematoda spec.		4 - 22	56 - 308	16 - 88
Mollusca				
Gasteropoda (1)	240			
Lamellibranchia (1)	-		-	
			300	
Annelida				
Polychaeta spec.	2640 - 4972	792 - 1356	600 - 1130	480 - 904
Lanice spec.				
Crustacea				
Copepoda nauplii	4650 - 19840	2010 - 8576	3080 - 13184	300 - 1280
Copepoda copepodiet	37504 - 117200	86016 - 268800	21760 - 68000	15104 - 47200
Copepoda adult.	34688 - 78848	80216 - 182336	20596 - 46816	14092 - 32032
Cirripedia (1)		1080 - 1800	600 - 1000	240 - 400
Ostracoda				
Decapoda (1)				
Mysidacea				
Cumacea				
Isopoda				128 - 234
Amphipoda				
Cladocera				
Bryozoa (1)				
Chaetognatha Sagitta spec.		880 - 14560	220 - 3640	220 - 3640
Echinodermata Larvae spec.				
Tunicata Oikopleura	22880 - 53240	17680 - 41140	14560 - 33880	
Pisces (e - 1)				
TOTAAL	102602 - 274340	188606 - 518540	61782 - 168258	30708 - 85728
GEMIDDELDE	188471	353598	115020	58243
— Drooggewicht µg/m³	32694	70720	23004	11649
— Koolstof µg/m³	15078	28288	9202	4660
— Stikstof µg/m³	4146	7779	2530	1281
— Fosfor µg/m³	377	707	230.	116

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Onderzoek CIPS
Cruise 05 - 1972
octobre.

	M05 10/10/72 1230 00	M06 10/10/72 1000 00	M07 09/10/72 1500 00	M08 19/10/72 1030 00
— Vers gewicht µg/m³	min.-max.	min.-max.	min.-max.	min.-max.
Cnidaria				
Acnidaria				
Ctenophora				
Nemathelminthes				
Rotatoria spec.				
Nematoda spec.				20 - 110
Mollusca				
Gasteropoda (1)				
Lamellibranchia (1)		200		450
Annelida				
Polychaeta spec.	220 - 600	3480 - 6554	600 - 1130	240 - 452
Lanice spec.		880 - 2400	220 - 600	
Crustacea				
Copepoda nauplii	16920 - 72192	5460 - 12800	23670 - 100992	9150 - 39040
Copepoda copepodiet	33536 - 104800	24448 - 76400	27264 - 85200	21120 - 66000
Copepoda adult.	31436 - 71456	22764 - 51744	25474 - 57904	19512 - 44352
Cirripedia (1)		720 - 1200		
Ostracoda				
Decapoda (1)				
Mysidacea				
Cumacea				
Isopoda				
Amphipoda				
Cladocera				
Bryozoa (1)				
Chaetognatha Sagitta spec.	660 - 10920			1100 - 18200
Echinodermata Larvae spec.				
Tunicata Oikopleura	61360 - 142780	10400 - 24200	12480 - 29040	7280 - 16940
Pisces (e - 1)				
TOTAAL	144132 - 402748	68352 - 371458	89708 - 274866	58872 - 135544
GEMIDDELDE	273440	219905	182287	122208
— Drooggewicht µg/m³	54688	43981	36457	24442
— Koolstof µg/m³	21875	17592	14583	9777
— Stikstof µg/m³	6016	4838	4010	2689
— Fosfor	547	440.	365	244.

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Onderzoek CIPS
Cruise 05 - 1972
octobre.

	M03 161073 1530 00	M10 131071 1015 00	M14 191072 1445 00	M15 191072 1445 00
— Vers gewicht µg/m³	min.-max.	min.-max.	min.-max.	min.-max.
Cnidaria				
Acnidaria				
Ctenophora				
Nemathelminthes				
Rotatoria spec.				
Nematoda spec.		12 - 66		
Mollusca				
Gasteropoda (1)			120	
Lamellibranchia (1)	150	150	1650	900
Annelida				
Polychaeta spec.			120 - 226	
Lanice spec.				
Crustacea				
Copepoda nauplii	10470 - 44672	1290 - 5504	3300 - 14080	3600 - 15360
Copepoda copepodiet	26880 - 84000	17792 - 55600	56704 - 177200	24192 - 75600
Copepoda adult.	25474 - 57904	16802 - 38192	53116 - 120736	22764 - 51744
Cirripedia (1)				
Ostracoda				
Decapoda (1)				
Mysidacea				
Cumacea			384 - 702	
Isopoda				
Amphipoda				
Cladocera				
Bryozoa (1)				
Chaetognatha Sagitta spec.			220 - 3640	
Echinodermata Larvae spec.				
Tunicata Oikopleura		4160 - 9680		3120 - 7260
Pisces (e - 1)				
TOTAAL	62974 - 186726	40206 - 109192	115720 - 318354	54576 - 150864
GEMIDDELDE	124850	74699	212037	102720
— Drooggewicht µg/m³	24970	14940	43407	20544
— Koolstof µg/m³	9988	5976	17363	8218
— Stikstof µg/m³	2747	1643	4775	2260
— Fosfor µg/m³	250	149	434	205

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Onderzoek CIPS

Cruise 05 - 1972
octobre.

	M23 18/10/72 1000 00	M24 17/10/72 1400 00	M25 17/10/72 1100 00	
— Vers gewicht mg/m³	min.-max.	min.-max.	min.-max.	min.-max.
Cnidaria				
Acnidaria				
Ctenophora				
Nemathelminthes				
Rotatoria spec.				
Nematoda spec.				
Mollusca				
Gasteropoda (1)		120		
Lamellibranchia (1)		1250	1200	
Annelida				
Polychaeta spec.	240 - 452		120 - 226	
Lanice spec.				
Crustacea				
Copepoda nauplii	750 - 3200	4050 - 17280	1550 - 8320	
Copepoda copepodiet	13440 - 42000	23552 - 73600	22784 - 71200	
Copepoda adult.	12466 - 28336	22222 - 50513	21138 - 48048	
Cirripedia (1)				
Ostracoda				
Decapoda (1)				
Mysidacea				
Cumacea				
Isopoda		128 - 234	256 - 468	
Amphipoda				
Cladocera				
Bryozoa (1)				
Chaetognatha Sagitta spec.	4840 - 80080	440 - 7280		
Echinodermata Larvae spec.				
Tunicata Oikopleura	13520 - 31460	2080 - 4840	8320 - 19360	
Pisces (e - 1)				
TOTAAL	45256 - 185532	53842 - 155116	55768 - 148892	
GEMIDDELDE	115394	104479	102295	
— Drooggewicht mg/m³	23079	20896	20459	
— Koolstof mg/m³	9232	8358	8184	
— Stikstof mg/m³	2539	2299	2250	
— Fosfor mg/m³	231	209.	205.	